

10/ 823 942



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February 28, 2007

Commissioner for Patents
Attn: Certificate of Corrections Branch
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate
MAR 07 2007
of Correction

Re: U.S. Patent No. : 7,105,584 B2
Issued : September 12, 2006
Title : DUAL-CURE SILICONE COMPOUNDS EXHIBITING
ELASTOMERIC PROPERTIES
Inventor(s) : Brian R. Chambers, et al.
Our Docket No. : 35213US1


Sir:

A Certificate of Correction under 35 U.S.C. 254 is hereby requested to correct Patent Office printing errors in the above-identified patent. Enclosed herewith is a proposed Certificate of Correction (Form No. PTO/SB/44) for consideration, and documentation supporting the proposed corrections.

It is requested that the Certificate of Correction be completed and mailed at an early date to the undersigned attorney of record.

As this is a Patent Office error, the fee under 37 CFR 1.20(a) is not required. If there are any additional fees resulting from this communication, please charge said fees to Deposit Account No. 16-0820, Order No. 35213US1.

Respectfully submitted,

By: 
John P. Murtaugh – Reg. No. 34,226

JPM:sd
Enclosures

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Attn: Certificate of Corrections Branch, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

John P. Murtaugh

Name of Attorney for Applicant(s)


Signature of Attorney

MAR - 7 2007
February 28, 2007
Date

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,105,584
APPLICATION NO.: 10/823,942
ISSUE DATE : September 12, 2006
INVENTOR(S) : Brian R. Chambers, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE CLAIMS:

In claim 2, column 18, line 3, after the word oximine, please delete the formula "(O-N=<)" and insert the formula - (O-N=C<) -

MAILING ADDRESS OF SENDER (Please do not use customer number below):

**John P. Murtaugh
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Attorney Docket No. 35213US1

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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HW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/823,942 Confirmation No. 5278
Applicant : Brian R. Chambers, et al.
Filed : April 14, 2004
TC/A.U. : 1711
Examiner : Susan W. Berman
Title : DUAL-CURE SILICONE COMPOUNDS EXHIBITING
ELASTOMERIC PROPERTIES
Docket No. : 35213US1
Customer No. : 00116



AMENDMENT "A"

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is in response to the Office action dated September 29, 2005. The three month period for responding to the Office action is set to expire on December 29, 2005. By this Amendment, 9 claims have been canceled, 10 new claims have been added, and one independent claim has been rewritten in dependent form. Consequently, a net one (1) new claim has been added. Enclosed is a check for \$25 to cover the extra-claim fee.

Please amend the above-identified application in the following manner:

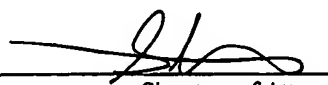
Amendments to the Abstract begin on page 2.

Amendments to the Specification begin on page 3.

[Amendments to the Claims are reflected in the listing of claims that begins on page 4 of this paper.]

Remarks begin on page 9 of this paper.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Steven J. Solomon		December 21, 2005
Name of Attorney for Applicant(s)	Signature of Attorney	Date

12/29/2005 HGUTEM1 00000009 10823942

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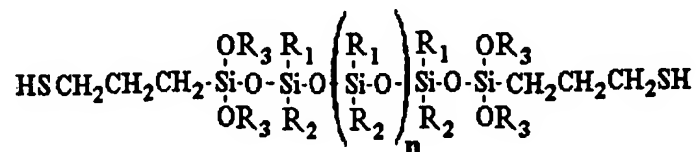
MAR - 7 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (canceled)
2. (withdrawn) A dual-cure silicone ~~compound~~ composition according to claim ~~[[1]]~~ 18, said first polysiloxane component having terminal mercapto ~~and alkoxy~~ functionality at both ends thereof.
3. (withdrawn) A dual-cure silicone ~~compound~~ composition according to claim ~~[[1]]~~ 18, said second polysiloxane component having terminal vinyl and ~~alkoxy~~ oximo functionality at both ends thereof.
4. (withdrawn) A dual-cure silicone ~~compound~~ composition according to claim ~~[[1]]~~ 18, further comprising a photoinitiator.
5. (withdrawn) A dual-cure silicone ~~compound~~ composition according to claim ~~[[1]]~~ 18, further comprising a water curing catalyst.
6. (withdrawn) A dual-cure silicone compound according to claim ~~[[1]]~~ 18, said first polysiloxane component having the following structure:



wherein R₁, R₂ and R₃ each is separately selected from the group consisting of organo groups.

Claims 7-9: (canceled)

10. (withdrawn) A dual-cure silicone ~~compound~~composition according to claim ~~[[1]]~~ 18, said first and second polysiloxane components being present in a nominal equivalent weight ratio in the range of 0.7:1 to 1.3:1.

11. (withdrawn) A dual-cure silicone ~~compound~~composition according to claim ~~[[1]]~~ 18, further comprising a plasticizer.

12. (withdrawn) A dual-cure silicone ~~compound~~composition according to claim ~~[[1]]~~ 18, said ~~compound~~composition being effective such that a layer of said ~~compound~~composition having a uniform total thickness of 0.1 inches exhibits at least 70 percent total curing, based on a UV-initiated curing mechanism, following two seconds of exposure to direct UV radiation having an average UV intensity of 151-185 mW/cm² measured at the surface of the layer.

13. (withdrawn) A dual-cure silicone ~~compound~~composition according to claim ~~[[1]]~~ 18, said compound being effective to produce an elastomeric material compound on curing thereof said composition.

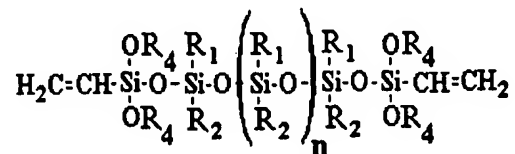
Claims 14-15: (canceled)

16. (withdrawn) A dual-cure silicone ~~compound~~composition according to claim 18, said ~~compound~~composition exhibiting both a UV-initiated crosslinking mechanism and a moisture-initiated crosslinking mechanism, wherein a layer of said ~~compound~~composition having a uniform total thickness of 0.1 inches exhibits at least 70 percent total curing, based on the UV-initiated curing mechanism, following two seconds of exposure to direct UV radiation having an average UV intensity of 151-185 mW/cm² measured at the surface of the layer.

17. (withdrawn) A dual-cure silicone ~~compound~~composition according to claim 16, wherein a layer of said ~~compound~~composition having a uniform total thickness of 0.4 inches exhibits at least 90 percent total curing, based on the UV-initiated curing mechanism, following two seconds of exposure to direct UV radiation having an average UV intensity of 151-185 mW/cm² measured at the surface of the layer.

18. (currently amended) A dual-cure silicone ~~compound~~ composition comprising a first polysiloxane component and a second polysiloxane component, said first polysiloxane component being a polyorganosiloxane having terminal mercapto ~~and alkoxy~~ functionality, said second polysiloxane component being a polyorganosiloxane having terminal vinyl and oximo functionality, wherein the terminal vinyl functionality of said second polysiloxane component is not provided in the form of a (meth)acrylic group.

19. (currently amended) A dual-cure silicone ~~compound~~ composition according to claim 18, said second polysiloxane component having the structure:



wherein R₁ and R₂ each is an organo group, and R₄ is of the form —N=CR₅R₆ such that the O-R₄ linkage creates an oximine (O—N=C₂) structure.

20. (currently amended) A dual-cure silicone ~~compound~~ composition according to claim 19, wherein R₅ and R₆ each is a low order alkyl moiety.

21. (currently amended) A dual-cure silicone ~~compound~~ composition according to claim 19, wherein R₅ is methyl and R₆ is ethyl.

Claims 22-23: (canceled)

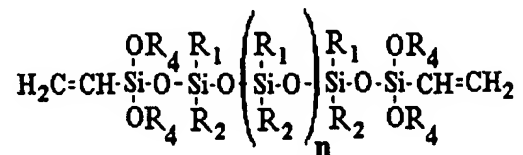
24. (withdrawn) A silicone ~~compound~~ composition according to claim ~~[[1]]~~ 18, ~~further comprising said first polysiloxane component being dimethylmercapto terminated polydimethylsiloxane.~~

25. (withdrawn) A silicone ~~compound~~ composition according to claim ~~[[1]]~~ 18, further comprising at least one of a) a vinylmethylsiloxane copolymer that is trimethyl

terminated and having vinyl functionality pendent to the polymer backbone, or b) a dimethylvinyl terminated polydimethylsiloxane.

Claims 26-28: (canceled)

29. (new) A dual-cure silicone composition according to claim 6, said second polysiloxane component having the structure:



wherein R_1 and R_2 each is an organo group, and R_4 is of the form $-\text{N}=\text{CR}_5\text{R}_6$ such that the $\text{O}-\text{R}_4$ linkage creates an oximine ($\text{O}-\text{N}=\text{C}$) structure.

30. (new) A dual-cure silicone composition according to claim 29, wherein R_5 and R_6 each is a low order alkyl moiety.

31. (new) A dual-cure silicone composition according to claim 29, wherein R_5 is methyl and R_6 is ethyl.

32. (new) A dual-cure silicone composition according to claim 18, said first and second polysiloxane components being present in a nominal equivalent weight ratio of 1:1.

33. (new) A dual-cure silicone composition according to claim 6, wherein n for said first polysiloxane component is greater than about 50.

34. (new) A dual-cure silicone composition according to claim 19, wherein n for said second polysiloxane component is greater than about 50.

35. (new) A dual-cure silicone composition according to claim 29, wherein n for both said first and second polysiloxane components is greater than 50.

36. (new) A dual-cure silicone composition according to claim 29, wherein n is substantially the same for both said first and said second polysiloxane components.

37. (new) A dual-cure silicone composition according to claim 10, wherein the equivalent weight ratio between said first and second polysiloxane components is calculated taking account of any residual excesses of mercapto-functional and vinyl-functional silanes still present in the composition, which were used in preparing the respective first and second polysiloxane components.

38. (new) A dual-cure silicone composition according to claim 18, said first polysiloxane component also having terminal alkoxy functionality.